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LIST OF JOURNALS.

In 1898 Abstracts were made from the following Journals. An asterisk (*) indicates that abstracts were only occasionally made from those so marked.

Abbreviations.	Full Title.
*Akad. Wiss. Cracow	Akademie der Wissenchaften, Cracow.
Amer. Acad. Proc.	American Academy of Arts and Sciences, Proceedings.
Amer. Electn.	American Electrician.
Amer. Instit. Elect. Engin. Trans.	American Institution of Electrical Engineers, Transactions.
Amer. Journ. Sci.	American Journal of Science.
Ann. du Bureau des Longitudes	Annuaire pour l'an 1898 publié par le Bureau des Longitudes.
Annal. Chim. Phys.	Annales de Chimie et de Physique.
Annal. Phys. Chem.	Annalen der Physik und Chemie.
Archiv Math. Phys.	Archiv der Mathematik und Physik, Leipzig.
Archiv. Post. Tele.	Archiv für Post und Telegraphie.
*Archives Néerlandaises	Archives Néerlandaises.
*Archives of the Röntgen Ray.	Archives of the Röntgen Ray.
*Assoc. Suisse Elect. Ann.	Association Suisse des Electriciens, Annuaire.
*Ast. Phys. Journ.	Astro-Physical Journal.
Automotor Journal	Automotor and Horseless Vehicle Journal.
Berlin, Akad. Sitzber.	Sitzungsberichte der K. Preussischen Akademie der Wissenschaften, Berlin.
Berlin, K. Tech. Versuch. Mitth.	Mittheilungen aus den Koniglichen Technischen Versuchanstalten zu Berlin.
Bull. de la Belge Elect.	Bulletin de la Société Belge d'Electriciens.
Cambridge Phil. Soc. Proc.	Cambridge Philosophical Society, Proceedings.
Cambridge Phil. Soc. Trans.	Cambridge Philosophical Society Transactions.
Canad. Elect. News	Canadian Electrical News.
Canad. Inst. Proc.	Proceedings of the Canadian Institute, Toronto.
Canad. Inst. Trans.	Transactions of the Canadian Institute, Toronto.
Cassier	Cassier's Magazine.
Chem. News	Chemical News.
Comptes Rendus	Comptes Rendus de la Association Française pour l'Avancement des Sciences.
Deutsche Zeitschr. Elektrotechn.	Deutsche Zeitschrift für Elektrotechnik.
Dublin, Soc. Sci. Proc.	Scientific Proceedings of the Royal Dublin Society.
Dublin, Soc. Sci. Trans.	Scientific Transactions of the Royal Dublin Society.

Abbreviations.	Full Title.
Écl. Électr.	L'Éclairage Électrique.
Elect. Engin. (London)	Electrical Engineer, London.
Elect. Engr. N. Y.	Electrical Engineer, New York.
Elect. Rev. (London)	Electrical Review (London.)
Elect. Rev. N. Y.	Electrical Review, New York.
Elect. World	Electrical World.
Electrician	The Electrician.
Electricien	L'Électricien.
Electricity, N. Y.	Electricity, New York.
Elekt. Runds.	Elektrotechnische Rundschau.
Elektrochem. Zeitschr.	Elektrochemische Zeitschrift.
*Elektrotechn. Zeitschr.	Elektrotechnische Zeitschrift.
*Elettricista (Rome)	Elettricista, Rome.
Elettricità, Milan	Elettricità, Milan.
Engineer	The Engineer.
Engineering	Engineering.
Eng. Mag.	Engineering Magazine.
Eng. News	Engineering News.
Frank. Instit. Journ.	Journal of the Franklin Institute.
Göttingen, Nachrichten	Nachrichten von der Königlicher Gesellschaft der Wissenschaften zu Göttingen.
Ind. Elect.	L'Industrie Électrique.
Ind. Electrochim.	L'Industrie Électrochimique.
Indus. & Iron	Industries and Iron.
Inst. Civ. Eng. Proc.	Proceedings of the Institution Civil Engineers.
Instit. Elect. Engin. Journ.	Journal of the Institute of Electrical Engineers.
Inst. Mech. Eng. Proc.	Proceedings of the Institution of Mechanical Engineers.
Journ. Chem. Soc.	Journal of the Chemical Society.
Journ. Electricity, S.F.	Journal of Electricity, San Francisco.
Journ. Phys. Chem.	Journal of Physical Chemistry.
Journ. Phys. Chim. Élem.	Journal de Physique, Chimie et Histoire Naturelle Élémentaires.
Journ. de Physique	Journal de Physique.
Journ. & Proc. of R. S., N. S. Wales	Journal and Proceedings of the Royal Society of New South Wales.
Journ. Télégraph	Journal Télégraphique.
Liège Ass. Ing. El. Bull.	Bulletin de l'Association des Ingénieurs-Électriciens, Liège.
Lightning	Lightning.
Manchester Lit. & Phil. Soc., Mem.	Manchester Literary and Philosophical Society.
Math. Annalen	Mathematische Annalen.
Mech. Eng.	Mechanical Engineer.
*Mém. de l'Acad. roy. de Belgique	Mémoires de l'Académie royale de Belgique.
Moscow, Soc. Nat. Bull.	Bulletin de la Société Impériale des Naturalistes de Moscow.
N. Cimento	Nuovo Cimento (Pisa.)
*Nat.	Nature.
*Neues Jahrbuch für Mineralogie, Geologie, und Paleontologie	Neues Jahrbuch für Mineralogie, Geologie, und Paleontologie.
Paris, Soc. Franc. Phys., Bull.	Bulletin de la Société Française de Physique.
Paris, Soc. Franç. Phys., Séances	Séances de la Société Française de Physique.

Abbreviations.	Full Title.
Phil. Mag.	London, Edinburgh, and Dublin Philosophical Magazine.
Phys. Rev.	Physical Review.
Railroad Gazette	Railroad Gazette.
Railway World	Railway World.
Rev. de l'El. Berne	Revue de L'Electricité, Berne.
Revue Scientif.	Revue Scientifique.
Rivista Scientifica	Rivista Scientifica.
Roma, R. Accad. Lincei, Atti	Atti della R. Accademia dei Lincei, Roma.
Roy. Soc. Proc.	Proceedings of the Royal Society of London.
*St. Petersburg, Accad. Sci. Bull.	Bulletin de l'Académie Impériale des Sciences de St. Petersburg.
St. Petersburg Accad. Sci. Mem.	Memoires de l'Académie Impériale des Sciences, St. Petersburg.
Schweizerische Blätter Elektrotechn. Berne	Schweizerische Blätter für Elektrotechnik, Berne.
Science	Science.
Scientific American	Scientific American.
Scientific Australian	Scientific Australian.
Soc. Arts Journ.	Society of Arts Journal.
Soc. Chem. Ind. Journ.	Journal of the Society of Chemical Industry.
Street Rly. Journ.	Street Railway Journal.
Street Rly. Rev.	Street Railway Review.
Torino, R. Acad. Sci. Mem.	Memorie della R. Academia delle Scienze di Torino.
Western Electn.	Western Electrician (Chicago).
Wien. Akad. Sitzber.	Sitzungsberichte der Mathmatisch-Naturwissenschaftlichen Classe der Kaiserlichen Akademie der Wissenchaften.
Zeitschr. Analytische Chemie	Zeitschrift für Analytische Chemie.
Zeitschr. Elektrochemie	Zeitschrift für Elektrochemie.
Zeitschr. Elektrotechn. Wien	Zeitschrift für Elektrotechnik.
Zeitschr. Instrumentenk.	Zeitschrift für Instrumentenkunde.
Zeitschr. Instrumentenk., Beib.	Beiblatt zur Zeitschrift für Instrumentenkunde.
Zeitschr. Phys. Chem.	Zeitschrift für physikalische Chemie.

NOTE.—The *Séances de la Société Française de Physique* should be consulted for the full papers which are referred to in the *Bulletin de la Société Française de Physique*.

ERRATA.

Abstract No. 63, line 5: *for* ·5271, *read* ·5971.

No. 237, line 1: *for* Berlin, *read* Wien.

No. 264, line 12, *for* varies from point on S, *read* varies from point to point on S.

No. 272, p. 141, line 12: *for* charged, *read* changed.

No. 290, line 1: *for* Berlin, *read* Wien.

No. 305, line 13 from the end: *for* 1s. 10d., *read* $\frac{1}{10}$d.

No. 318, p. 163, line 6: *for* showing the cost of cooking by coal to be about 19 per cent., *read* showing the cost of cooking by coal to be, on that basis, about 23 per cent.

No. 416, line 7: *for* E.M.F. between upper and lower end of jet is measured, *read* E.M.F. between the two sides of the stream is measured along a line perpendicular to the lines of force and to the direction of flow.

No. 954, line 1: *for* Electrician, 39, 1897, &c., *read* Electrician 40, pp. 218–219, 316–317, 511–514, 652–654, 814–817, and 41, pp. 108–110.

No. 1271, line 2: *for* pp. 779–780, *read* pp. 547–548.

In Name Index: *for* Esehenburg, Behn, *read* Eschenburg.
for Garrigon, *read* Garrigou.
for Garbbasso, *read* Garbasso.
for Juman, *read* Jumau.
for Lagergreen, *read* Lagergren.
for Schwendener, *read* Schwendener.